

THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS

1. (Previously Presented) A method of handling a call at an application server connected outside a public switched telephone network (PSTN) and offering one or more services, the method comprising:

receiving information corresponding to said call at the application server outside the PSTN, the information including data identifying a subscriber of said one or more of services offered by the application server;

based on the information corresponding to the call, selecting a domain policy, the domain policy applying to a set of subscribers; and

handling the call in accordance with the selected domain policy.

2. (Original) The method of claim 1, wherein receiving information corresponding to a call comprises receiving information from a softswitch.

3. (Original) The method of claim 1, wherein the information including data identifying a subscriber comprises at least one of the following: an origination phone number and a termination phone number.

4. (Original) The method of claim 1, wherein the domain policy comprises a policy encoded in a programming language including conditional expressions.

5. (Original) The method of claim 1, further comprising constructing a call model for the call.
6. (Original) The method of claim 1, further comprising:  
determining a service domain having a call service; and  
applying the domain policy of the determined service domain to the call.
7. (Original) The method of claim 1, wherein handling the call in accordance with the selected domain policy comprises authorizing the call.
8. (Previously Presented) A method of providing call services at an application server connected outside a public switched telephone network (PSTN), the method comprising:  
defining a set of at least two domains, at least some of the domains having a domain policy;  
receiving information corresponding to a call at the application server outside the PSTN;  
determining one or more domains that apply to the call; and  
applying policies associated with the determined domains to the call.
9. (Original) The method of claim 8, wherein the domains comprise more than one subscriber domain.
10. (Original) The method of claim 8, wherein the domains comprise more than one service domain.

11. (Original) The method of claim 8, wherein the domains comprise more than one device domain.
12. (Original) The method of claim 8, wherein the domains comprise more than one subscriber domain and more than one service domain.
13. (Original) The method of claim 8, wherein the policies comprise policies encoded in a computer programming language including conditional expressions.
14. (Previously Presented) An application server connected outside a public switched telephone network (PSTN), comprising:
  - one or more aggregation domains, at least some of the domains having an associated authorization policy; and
  - a domain mapper that identifies one or more domains based on call information received by the application server outside the PSTN.
15. (Original) The application server of claim 14, wherein the domains comprise subscriber domains.
16. (Original) The application server of claim 15, wherein the domains comprise service domains.

17. (Original) The application server of claim 15, further comprising a service provider interface for handling call information received from a transport device.

18. (Original) The application server of claim 17, wherein the transport device comprises a softswitch.

19. (Previously Presented) A computer program product, disposed on a computer readable medium, for providing call services at an application server connected outside a public switched telephone network (PSTN), the computer program including instructions for causing a processor to:

define a set of more than one domains, at least some of the domains having a domain policy;

receive information corresponding to a call received at the application server outside the PSTN;

determine one or more domains that apply to the call; and

apply policies associated with the determined domains to the call.

20. (Original) The computer program of claim 19, wherein the domains comprise more than one subscriber domain.

21. (Original) The computer program of claim 19, wherein the domains comprise more than one service domains.

22. (Original) The computer program of claim 19, wherein the domains comprise more than one subscriber domain and more than one service domain.

23. (Original) The method of claim 19, wherein the policies comprise policies encoded in a computer programming language including conditional expressions.

24. (Previously Presented) A method of handling calls at an application server connected outside a public switched telephone network (PSTN) and offering one or more call services to customers of one or more telecommunications service providers, said method comprising:

receiving information corresponding to said calls at said application server outside the PSTN, said information for each one of said calls including data identifying a subscriber of said one or more telecommunications service providers and of one or more of said call services offered by said application server;

selecting a domain policy for said each one of said calls, based on the information corresponding to said calls to obtain a selected domain policy for said each one of said calls, each said selected domain policy applying to a set of subscribers of one of said one or more telecommunications service providers; and

handling each of said calls in accordance with said selected domain policy.

25. (Previously Presented) The method of claim 24, wherein receiving information corresponding to said calls comprises receiving information from a softswitch.

26. (Previously Presented) The method of claim 24, wherein said information including data identifying a subscriber comprises at least one of the following: an origination phone number and a termination phone number.
27. (Previously Presented) The method of claim 24, wherein said domain policy comprises a policy encoded in a programming language including conditional expressions.
28. (Previously Presented) The method of claim 24, further comprising constructing a call model for said calls.
29. (Previously Presented) The method of claim 24, further comprising:
  - determining a service domain having a call service; and
  - applying domain policy of said determined service domain to said calls.
30. (Previously Presented) The method of claim 24, wherein said call services include voice-mail, call-forwarding, call-messaging, and 911 services.
31. (Previously Presented) The method of claim 30, wherein said handling of said calls in accordance with said selected domain policy includes authorizing or denying said subscribers access to one or more of said call services.